Visual Database Tools

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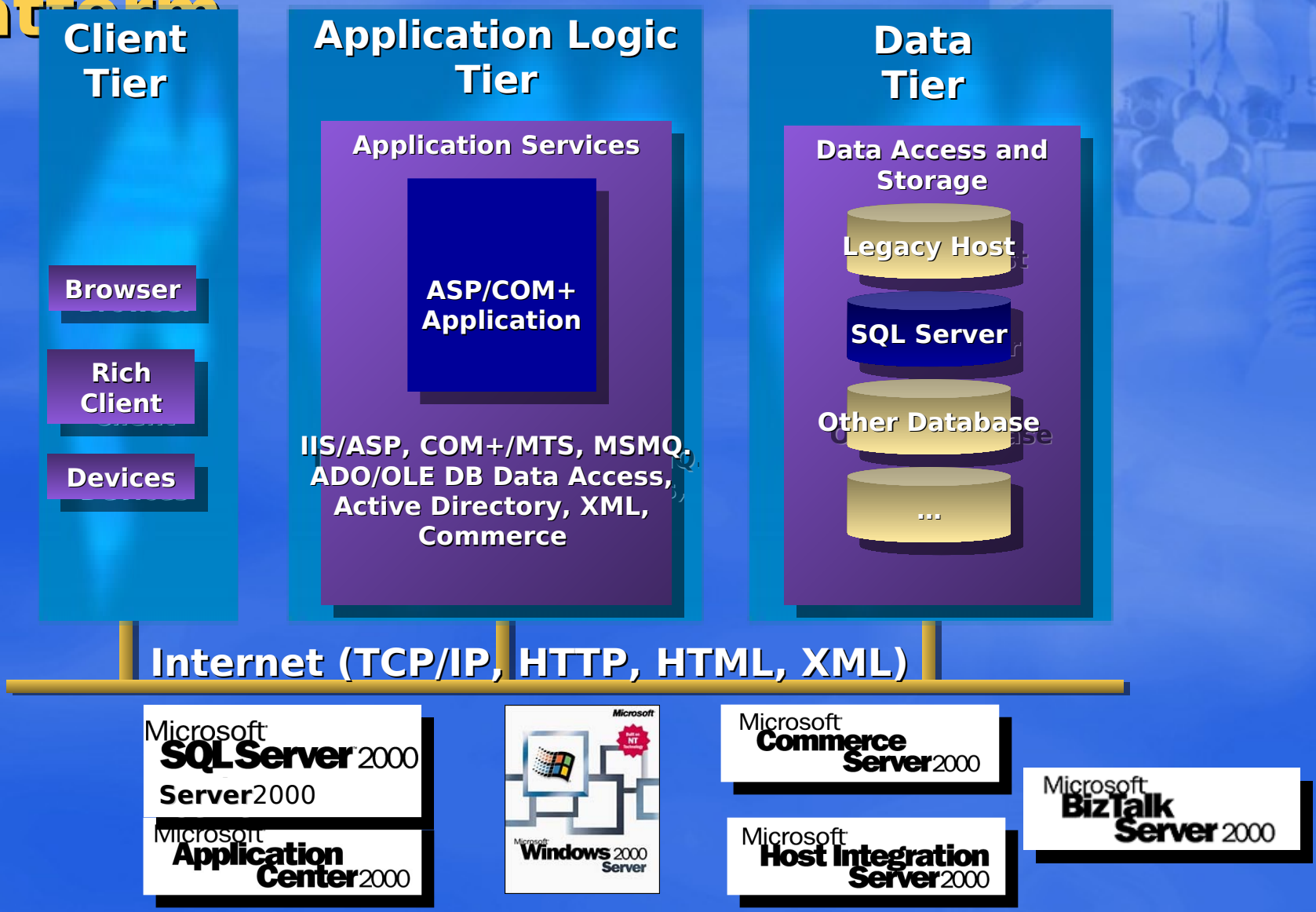
Microsoft Corporation


POWER UP
Windows DNA 2000
Readiness Conference
featuring SQL Server 2000

Windows DNA 2000

Next Generation Web Application Platform



Visual

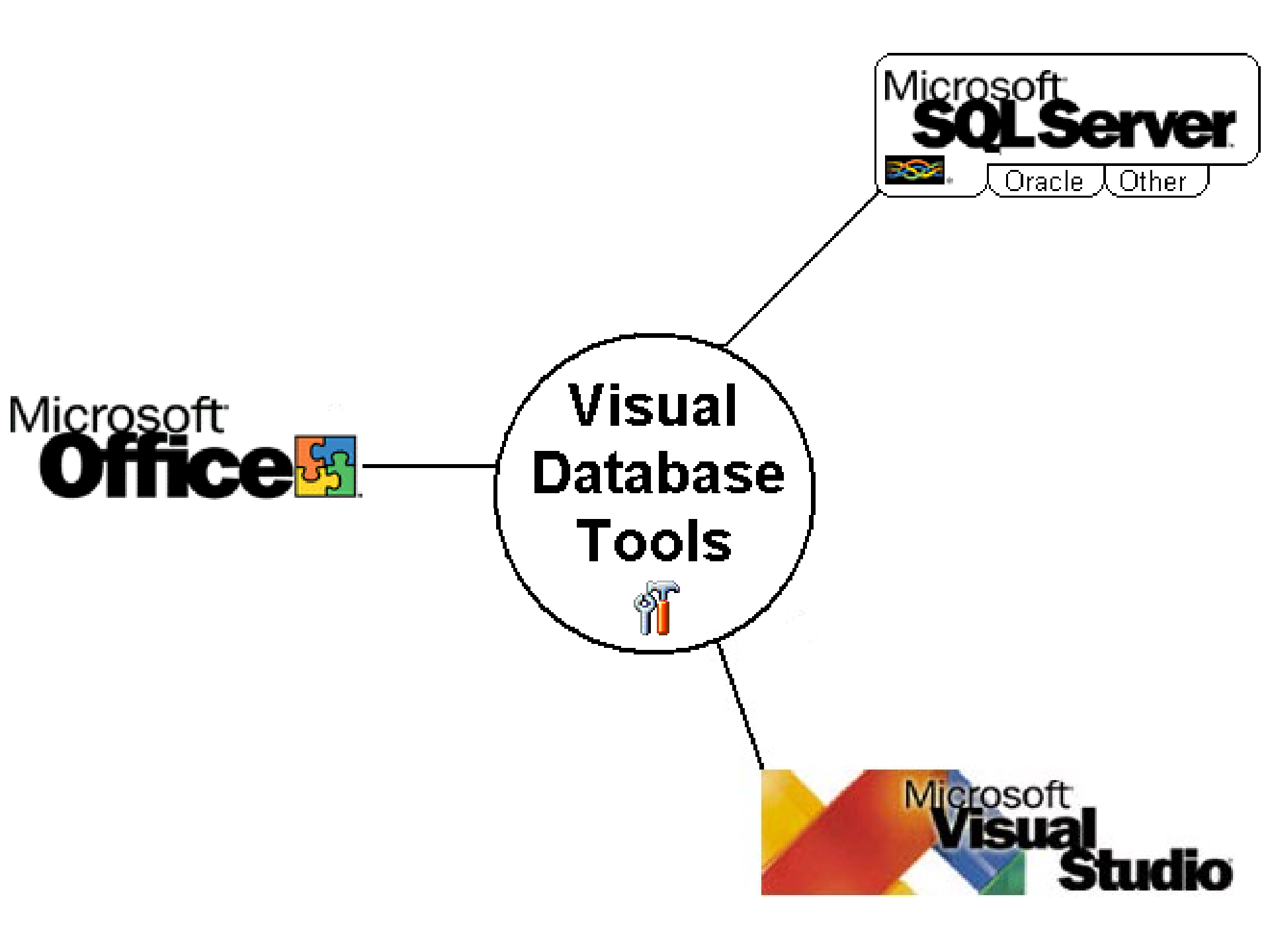
- Graphical Designers

Database

- SQL Server™, Jet, Fox, Oracle, etc.

Tools

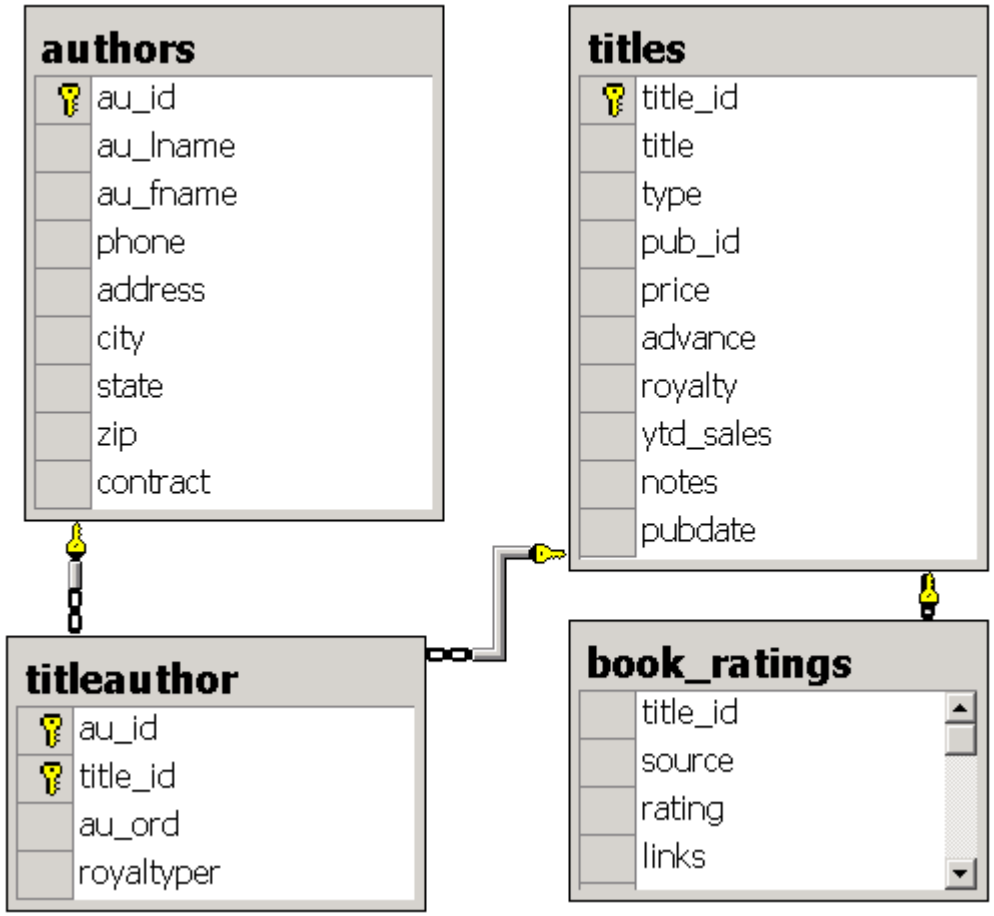
- Database Designer
- Query Design Suite
- Database Explorer
- SQL Script Generator
- SQL Script Editor
- SQL Routine Debugger


Microsoft SQLServer
Oracle
Other
Microsoft Office
Visual Database Tools
Microsoft Visual Studio

Ubiquitous

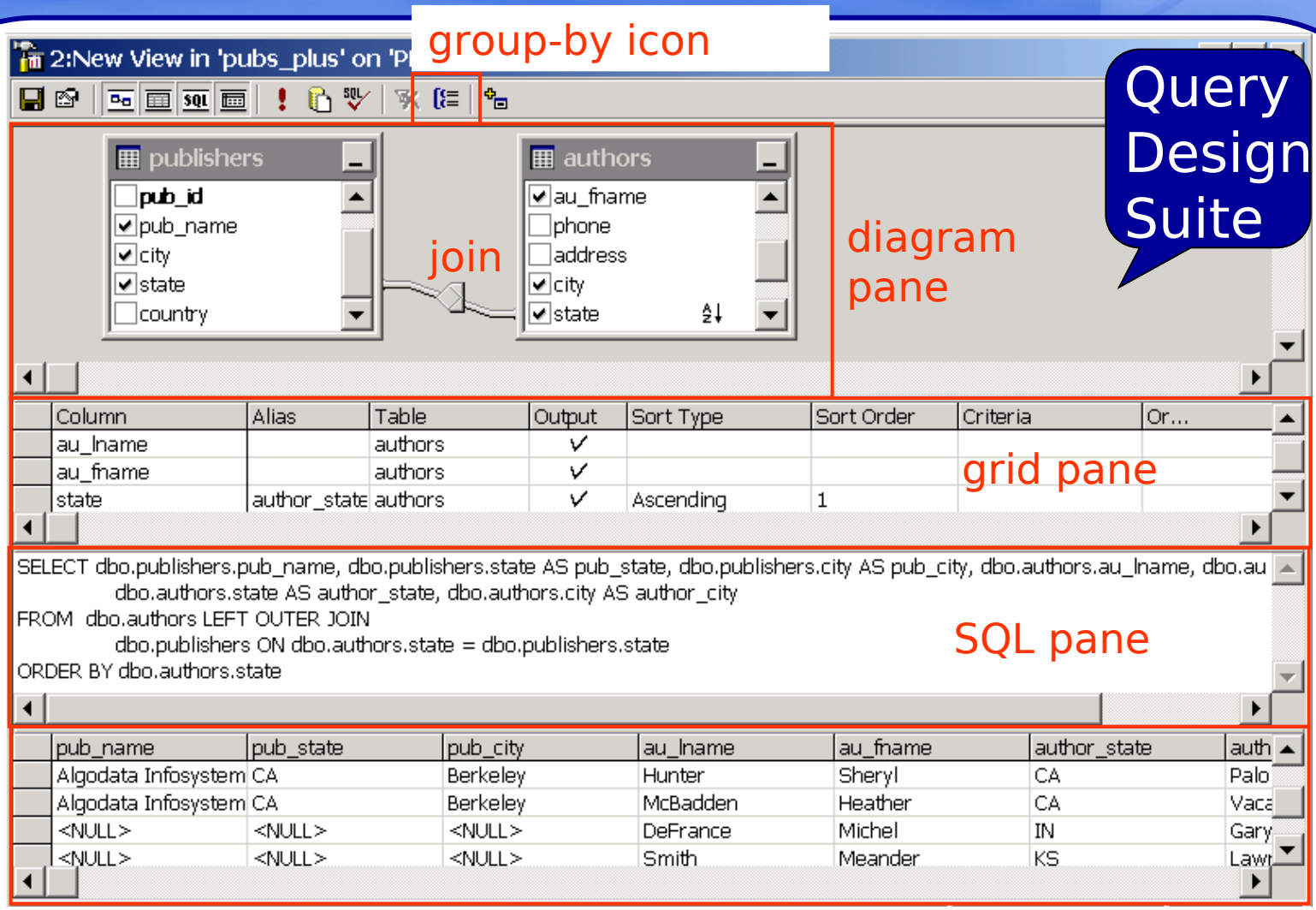
- Tools available in:
  - SQL Server Enterprise Manager
    - (As of SQL Server 7.0)
  - Access
    - (As of Office 2000)
  - Visual Studio®
    - (As of Visual Studio 97 Enterprise Edition)

Visual Database Tools



Database Designer

Visual Database Tools



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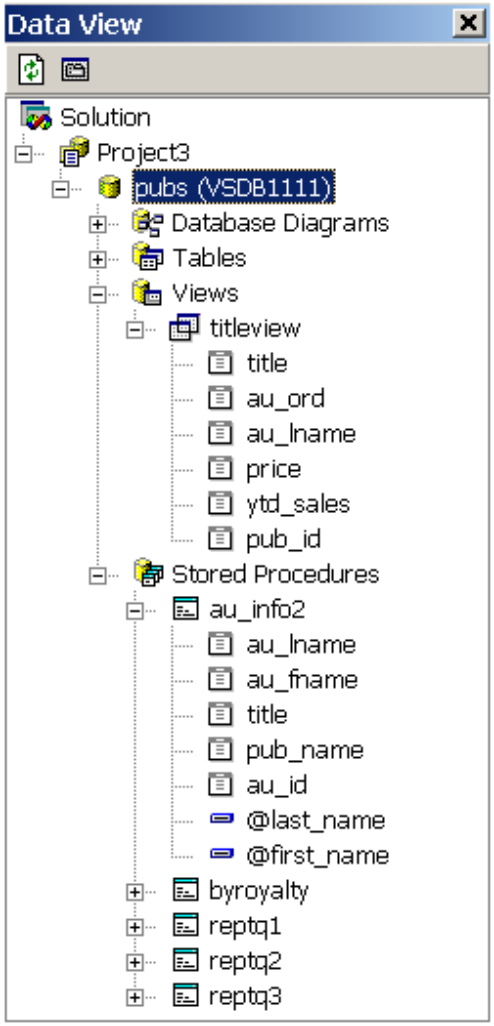
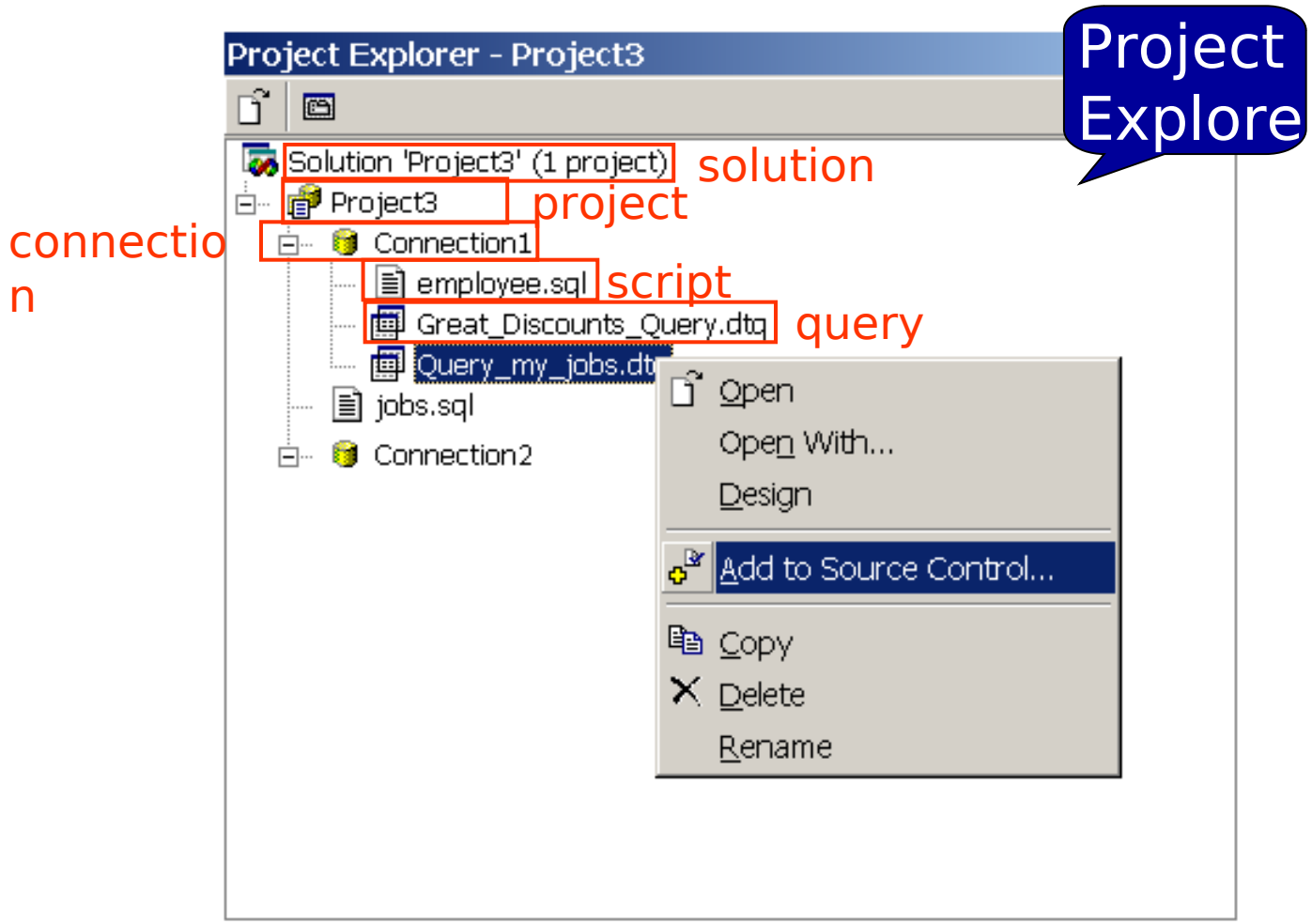


Database Explorer

Visual Database Tools



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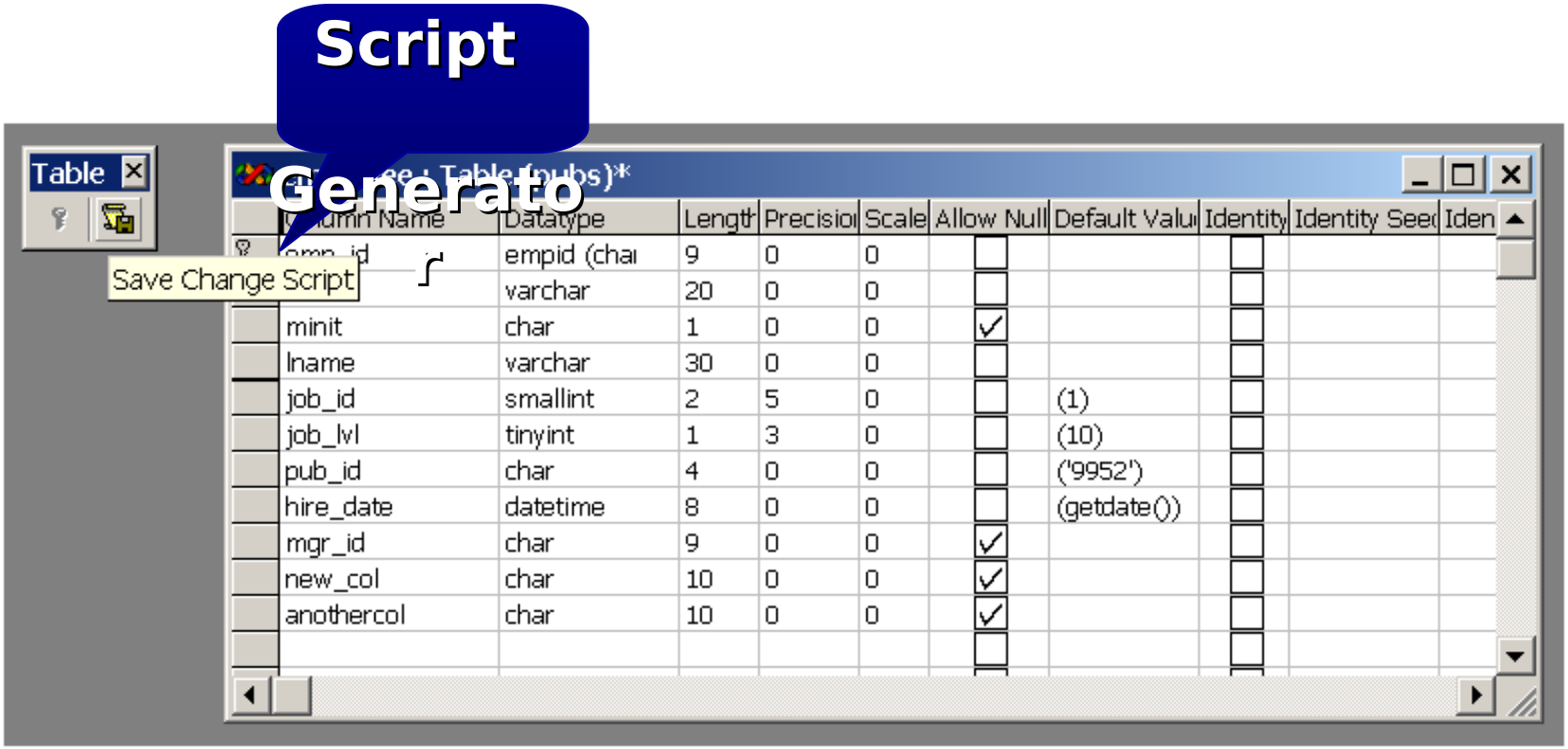

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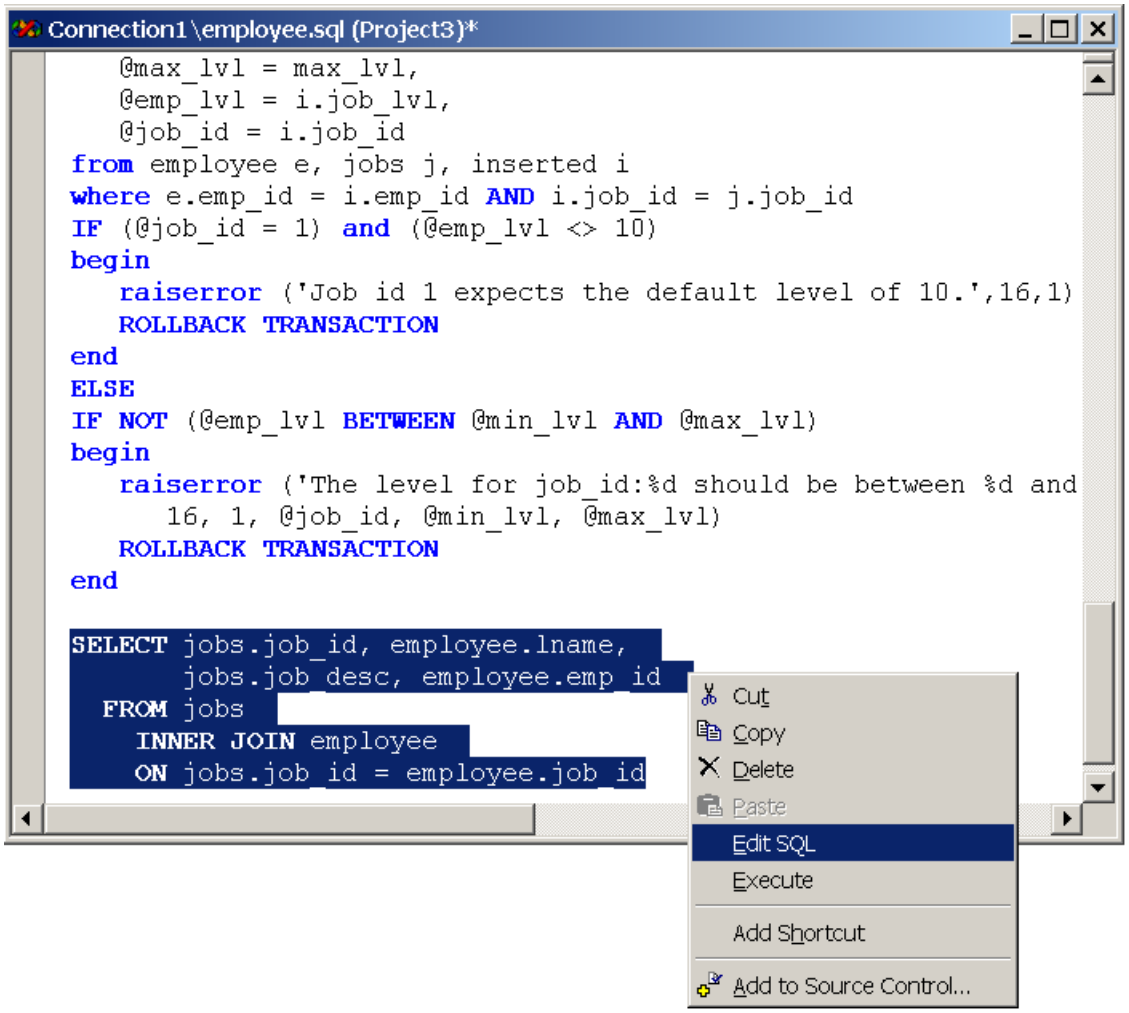

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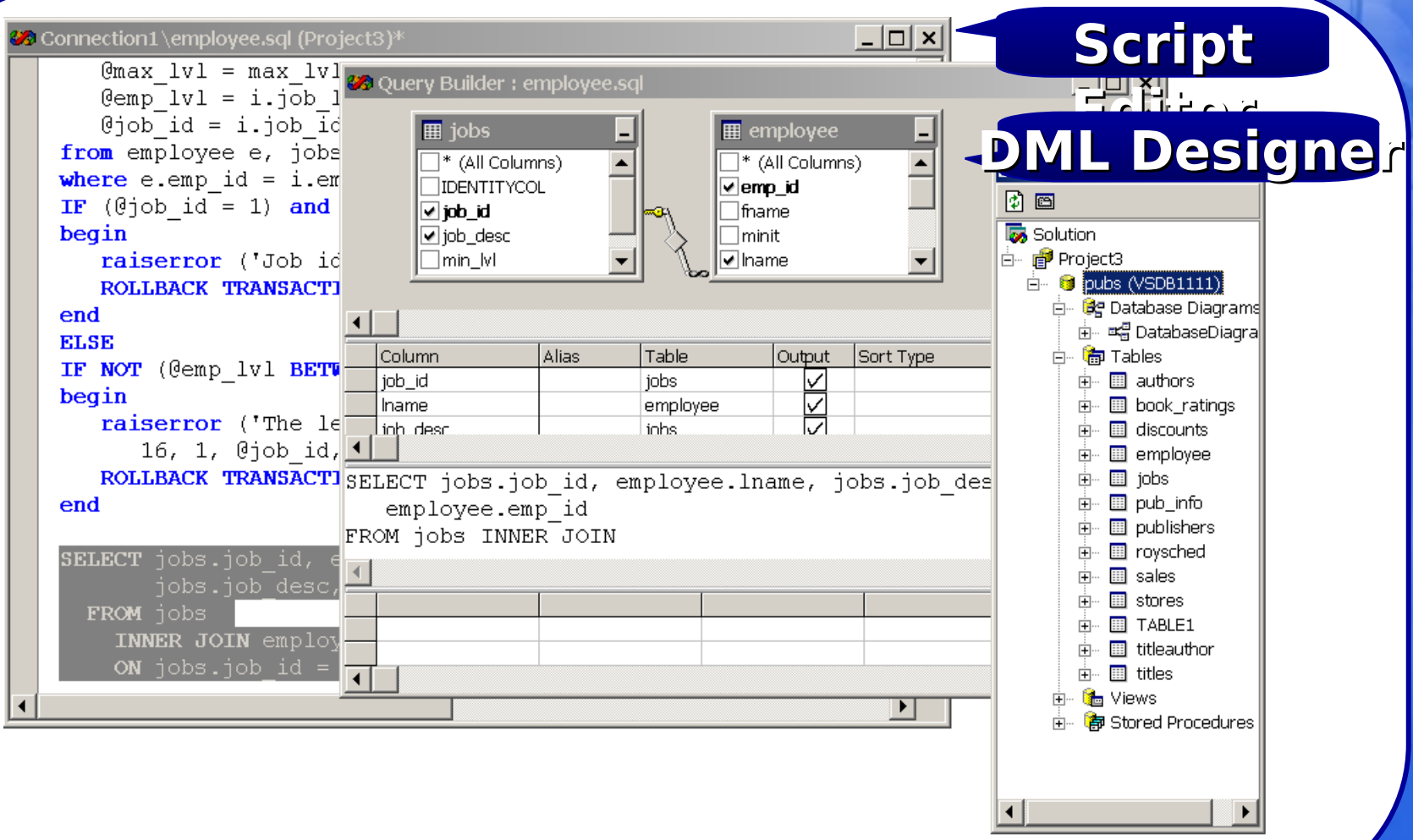

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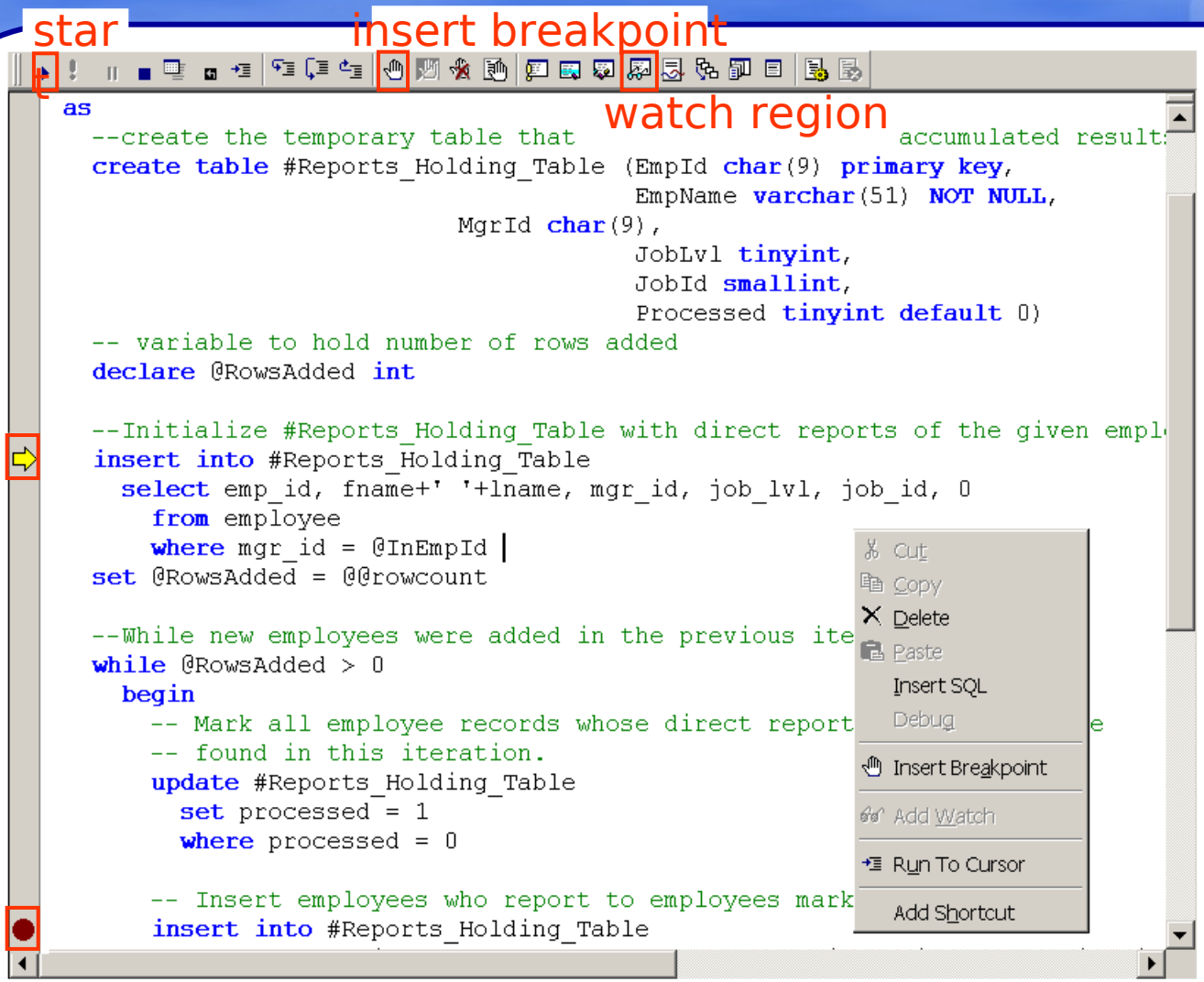


In Visual Studio 6.0

	Generic	SQL Server	Oracle
Visually design databases	➡	▯	
Visually design queries	▯	▯	▯
Visually design views	▯	▯	
Explore databases	▯	▯	▯
Generate deployment scripts	▯	▯	
Create/edit procedures/triggers		▯	▯
Debug procedures/triggers	▯		

Visual Studio 6.0 Demo
(with SQL Server 7.0)

Data View Explorer & Project Explorer

Database Designer

Query Designer

Stored Procedure Debugger

In Access 2000

- MSDE 1.0 (SQL run-time) is an “industrial strength” alternative to Jet
- First step to a Jet-like GUI for SQL Server
- Visually design databases
- Visually design views
- Visually design queries that supply values for forms

Access 2000 Demo

SQL Server 7.0 via an Access Project

DML Designer with an Access form

In SQL Server 7.0

- Visually design databases
- Visually design views
- Visually design: SELECT
  INSERT
  UPDATE
  DELETE
  MAKE TABLE

In SQL Server 2000

- Keeping pace with SQL Server 2000
  - SQL_VARIANT and BIGINT
  - Indexed views
  - Cascade referential Integrity
  - User-defined functions
  - Extended properties
- Independent improvements
  - Better table designer
  - Property page additions

SQL Server 2000 Demo

Database Designer with new SQL

View Designer with an indexed view

DML Designer with a table-valued function

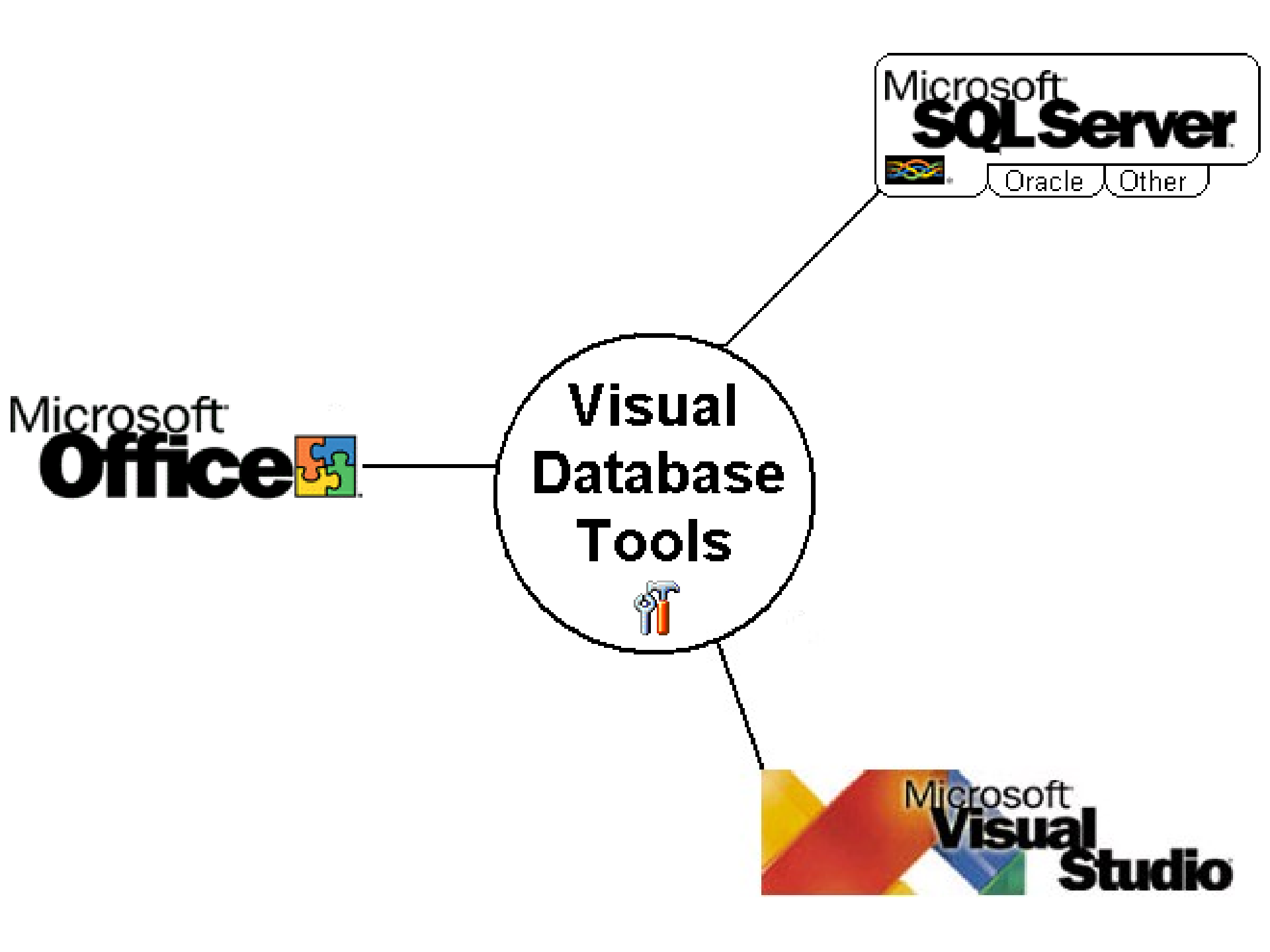
DML Designer transforming statement types

Summary

- Visual Tools well integrated into 3 hosts
- Making SQL much easier to use
- Keeping current with (and even driving) SQL Server enhancements
- Keeping current with Access and Visual Studio enhancements
- Always improving and extending the tools

What Next?

- Use and comment upon our tools in SQL Server Beta 2
- Use our tools in Visual Studio 6.0
  & Access 2000
- Apply for Visual Studio 7.0 Beta 1
- Watch for Office 10 beta program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